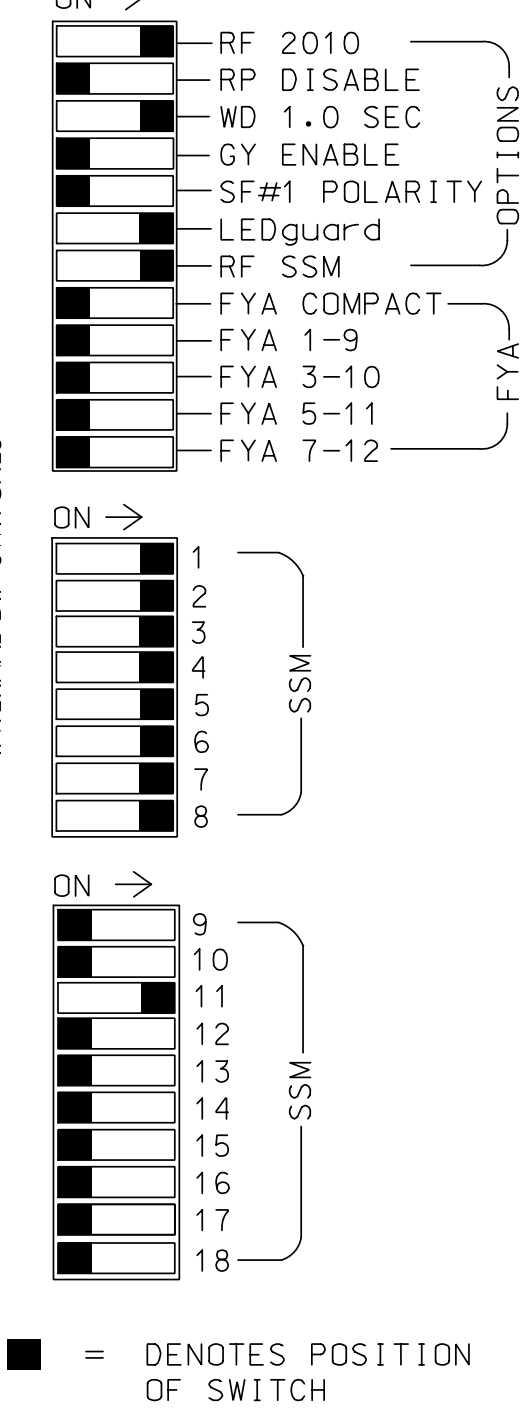
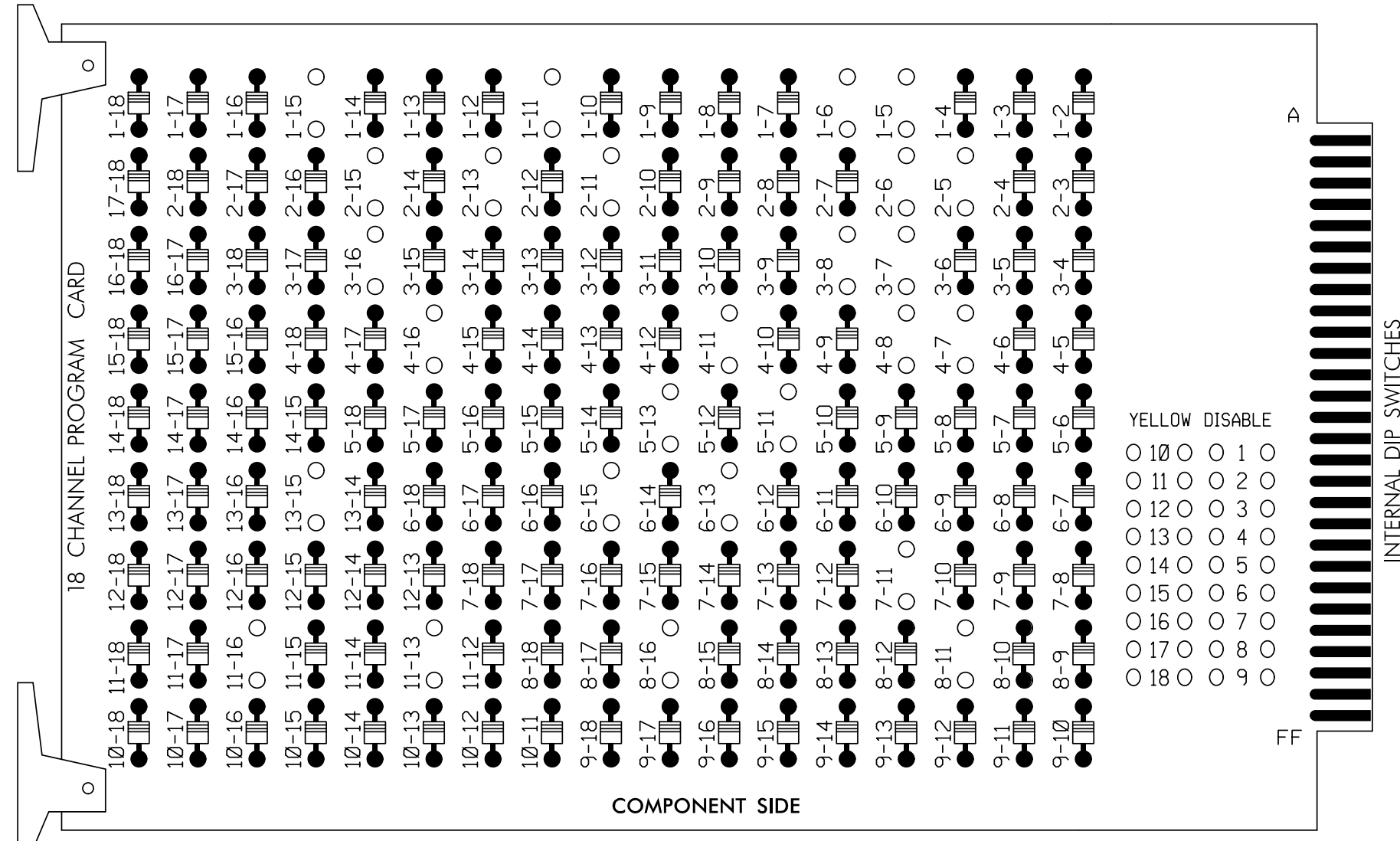


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-5,1-6,1-11,1-15,2-5,2-6,2-11,2-13,2-15,3-7,3-8,3-16,4-7,4-8, 4-11,4-16,5-13,6-13,6-15,7-11,8-11,8-16,11-13,11-16 and 13-15



REMOVE JUMPERS AS SHOWN

NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
- Ensure that Red Enable is active at all times during normal operation.
- Integrate monitor with Ethernet network in cabinet.

NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for volume density operation.
- Program controller to start up in phase 2 Walk and 6 Walk.
- The cabinet and controller are part of the Fayetteville Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070E
 CABINET.....332 W/AUX
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S7,S8,S9,S10,S11,S12,AUX S4
 PHASES USED.....1,2,3,4,5,6,7,8
 OVERLAP "A".....NOT USED
 OVERLAP "B".....NOT USED
 OVERLAP "C".....4+5
 OVERLAP "D".....NOT USED

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
DMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	PED	3	4	PED	5	6	PED	7	8	PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11	21,22	P21, P22	31	41,42	NU	51,52	61,62	P61, P62	62	71,72	81,82	P81, P82	NU	NU	NU	53,54	NU
RED	128			101				134				107						A114
YELLOW	129			102				135				108						
GREEN	130			103				136				109						
RED ARROW	125			116				131				122						
YELLOW ARROW	126			117				132				123	123					A115
GREEN ARROW	127			118				133				124	124					A116
Hand icon				113								119						110
Person icon				115								121						112

NU = Not Used

ECONOLITE ASC/3-2070 OVERLAP PROGRAMMING DETAIL

(program controller as shown)

- From Main Menu select **2. CONTROLLER**
- From CONTROLLER Submenu select **2. VEHICLE OVERLAPS**

Toggle Twice
OVERLAP C

Select TMG VEH OVLP [C] and 'NORMAL'

TMG VEH OVLP...[C] TYPE:**NORMAL**
 PHASES 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
 INCLUDED . . . X X
 LAG GRN 0.0 YEL 0.0 RED 0.0

END PROGRAMMING

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0441
 DESIGNED: March 2016
 SEALED: 7/20/2016
 REVISED:

INPUT FILE POSITION LAYOUT

(front view)

FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
"I"	U	∅ 1	∅ 2	∅ S	∅ S	∅ 3	∅ 4	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	∅ 2 PED	∅ 6 PED	FS
	L	1A	2A,2B	∅ S	∅ S	3A	4A	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
"J"	U	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	∅ 8 PED	ST
	L	5A	5B	5D	6A,6B	7A	7B	8A	∅ S	∅ S	∅ S	∅ S	∅ S	∅ S	DC ISOLATOR	DC ISOLATOR

EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME

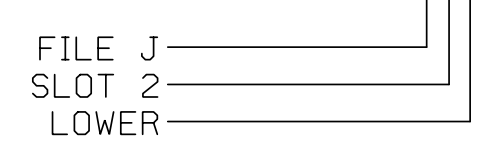
INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
1A	TB2-1,2	I1U	56	1	1	YES		3	S
2A,2B	TB2-5,6	I2U	39	2	2	YES			N
3A	TB4-5,6	I5U	58	3	3	YES			S
4A	TB4-9,10	I6U	41	4	4	YES			S
5A	TB3-1,2	J1U	55	5	5	YES			S
5B	TB3-5,6	J2U	40	6	5	YES			S
5C	TB3-7,8	J2L	44	16	5	YES		15	S
5D	TB3-9,10	J3U	64	36	5	YES		15	S
6A,6B	TB5-1,2	J4U	48	26	6	YES			N
7A	TB5-5,6	J5U	57	7	7	YES			S
7B	TB5-9,10	J6U	42	8	7	YES			S
8A	TB7-1,2	J7U	66	38	8	YES		10	S
PED PUSH BUTTONS									
P21,P22	TB8-4,6	I12U	67	PED 2	2	PED			
P61,P62	TB8-7,9	I13U	68	PED 6	6	PED			
P81,P82	TB8-8,9	I13L	70	PED 8	8	PED			

NOTE:

INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.

INPUT FILE POSITION LEGEND: J2L



FLASHER CIRCUIT MODIFICATION DETAIL

In order to ensure that signals flash concurrently on the Same approach, make the following flasher circuit changes:

- On rear of PDA - remove wire from Term. T2-4 and terminate on T2-2.
- On rear of PDA - remove wire from Term. T2-5 and terminate on T2-3.
- Remove flasher unit 2.

The changes listed above ties all phases and overlaps to flasher unit 1.

Electrical Detail

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared For: **Kimley-Horn**

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SR 1404 (Morganton Road) at SR 1408 (Bonanza Drive)/ Old Farm Road

Division 6 Cumberland County Fayetteville

PLAN DATE: August 2016 REVIEWED BY: SL Phillips

PREPARED BY: SP Pennington REVIEWED BY: KP Baumann

REVISIONS INIT. DATE

Seal: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 032607 STACIE L. PHILLIPS

DocuSigned by: SL Phillips 9/30/2016

SIG. INVENTORY NO. 06-0441